E200-2G4A20S-TB

User Manual



Chengdu Ebyte Electronic Technology Co.,Ltd.

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Disclaimer

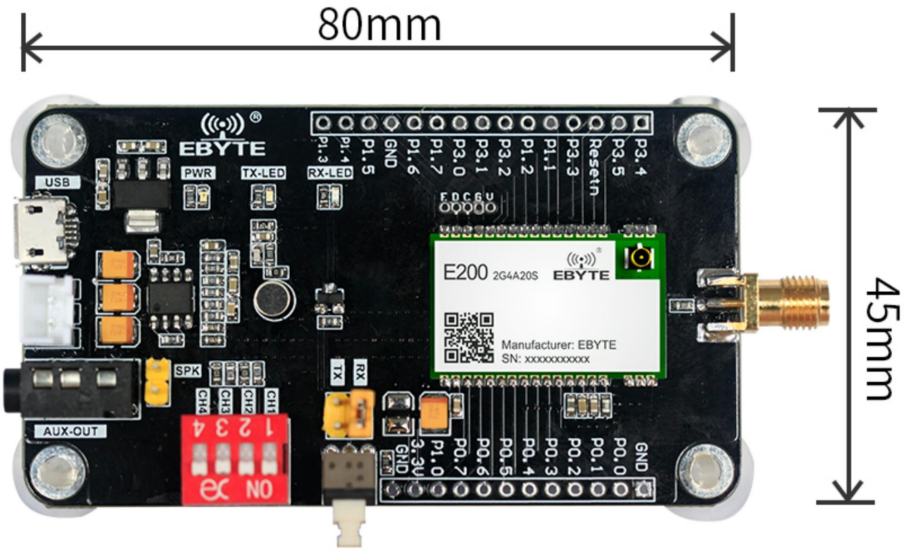
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1. Overview

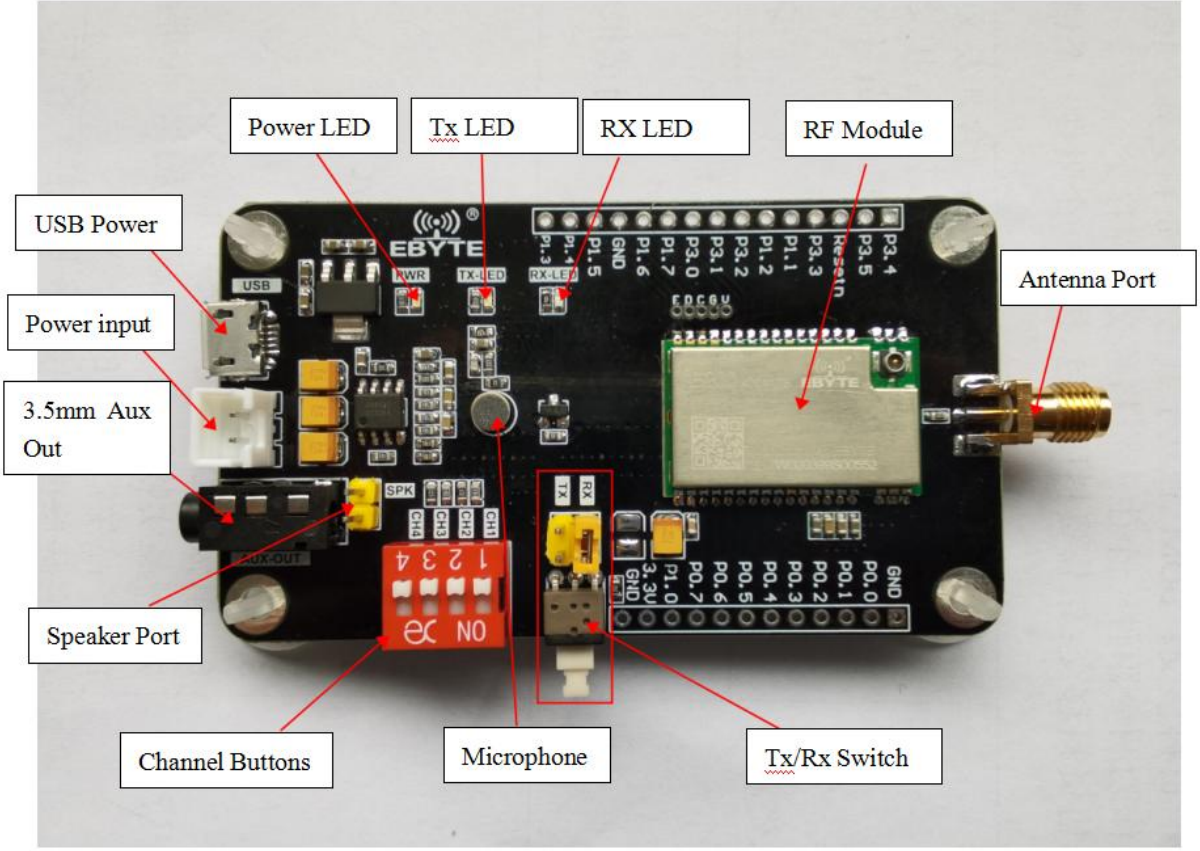


E200-2G4A20S-TB is a test kit that combines the E200 series SMD audio module, USB power supply, 3.5mm headphone jack, dialing channel selection, and transmit/receive control buttons to form a complete set of test products for customers' testing and development, which greatly reduces the difficulty of customers' testing and development. This manual describes how to use the test kit, for more details, please check the E200-2G4A20S user manual.

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1.1 Interface Description



Type	Definition	Functional Description
POWER SUPPLY	USB Power Port	One of the kit's power inputs in the form of a Mirco-USB, 5V power supply.
	Power Port	One of the power inputs of the kit, in the form of 2P, 2.54mm pitch holder, 5V power supply
Audio	3.5mm audio output	3.5mm audio output connector for outputting audio signals received wirelessly.
	Speaker Port	The audio output connector can directly drive an 8Ω/250mW speaker.
	Microphone	Audio input microphone
Controls	Channel Control Dial	Set the RF channel of the wireless module, 16 channels in total, need to reboot and power on after the dial code change to take effect
	Transmit/Receive Control Button	Transmit/receive control button, default receive, press the module to enter transmit mode.
Indicator Lights	Power Indicator	Power indicator, red
	Transmit Indicator	Transmit indicator, blue, indicates that the wireless module is in transmit mode.
	Receive Indicator	Receive function indicator, green, indicates the wireless module is in receive mode.

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RF	Antenna Interface	50Ω characteristic impedance, RF channel 2.4GHz

Attention:

1. any one power supply method, can not be used at the same time;
2. External power supply range 5V DC.

2. Quick Start

1.Hardware Connection

Please prepare 5V power supply, Micro USB cable, antenna, one pair of 3.5mm earphone to connect to E200-2G4A20S-TB correspondingly.

The channel control dialing code of the transceiver is the same.

2. Sending and Receiving

After connecting the hardware, the transmitter presses the send/receive control button, the module is working in the send mode, at this time, speak into the microphone, in the receive mode of the kit can be heard in the 3.5mm headset output port clear voice. The voice transmission of the kit is in the form of half-duplex communication.

Revision history

Versions	Revision Date	Revision Notes	Maintaining people
1.0	2024-3-5	Initial Version	Bin

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Technical support: support@cdebyte.com

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Address: B5 Mould Park, 199# Xiqu Ave, High-tech District, Sichuan, China

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